

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to these events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

Crest-stage partial-record stations

The following table contains annual maximum discharge for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 2005

Station name and number	Location and drainage area	Period of record	Date	Water year 2005 maximum		Period of record maximum		
				Gage height (ft)	Dis-charge (ft ³ /s)	Date	Gage height (ft)	Dis-charge (ft ³ /s)
WILLOW CREEK BASIN								
Balm Fork near Heppner	Lat 45°19'56", long 119°32'24", in NW 1/4 SE 1/4 sec.2, T.23S., R.26E., Murrow County, Hydrologic Unit 17070104, on right bank, 0.7 mi upstream from bridge on Willow Creek Road, 1.0 mi southeast of Heppner, 1.2 mi upstream from Willow Creek dam, and at mile 1.1 Drainage area is 26,3 mi ² .	1982-2003‡ 2004-05	05/16/05	4.13	17	12/29/96 03/04/83	5.12 4.90	190
WILLAMETTE RIVER BASIN								
Wilson Creek near Hazelia (14207100)	Lat 45°22'56", long 122°40'49", in SE 1/4 SE 1/4 sec.72, T.2 S., R.1E., Clackamas County, Hydrologic Unit 17090010, at Long Farm Road, 0.7 mi southeast of Hazelia. Drainage area is 1.24 mi ² .	2002-05	03/27/05	7.80	23	01/31/03	8.26	44
Rock Creek at Sunnyside Road, near Damascus (14210830)	Lat 45°25'38", long 122°29'31", in NW 1/4 SW 1/4 sec.6, T.2 S., R.3E., Clackamas County, Hydrologic Unit 17090011, at private bridge 300 ft north of Sunnyside Road, 2 mi northwest of Damascus, and 1.75 upstream from confluence with Clackamas River. Drainage area is 6.46 mi ² .	2002-05	03/27/05	6.15	187	01/31/03	7.63	838
Rock Creek near Carver (14210850)	Lat 45°24'35", long 122°30'18", in SE 1/4 SE 1/4 sec.12, T.2 S., R.3E., Clackamas County, Hydrologic Unit 17090011, on private land adjacent to Hwy 212/224, 0.3 mi east of 142nd, 0.2 mi upstream from confluence with Clackamas River. Drainage area 9.59 mi ² .	2002-05	03/27/05	5.42	239	01/31/03	7.11	520
Kellogg Creek upstream from Mt. Scott Creek, near Milwaukie (14211330)	Lat 45°25'18", long 122°36'01", in NE 1/4 SW 1/4 sec.55, T.2 S., R. 2E., Clackamas County, Hydrologic Unit 17090012, on Parmenter Ct., 250 ft downstream from culvert. Drainage area is 2.26 mi ² .	2002-05	03/27/05	8.05	61.4	01/31/03	8.48	97
Mt. Scott Creek near Milwaukie (14211350)	Lat 45°25'37", long 122°36'30", in SW 1/4 SW 1/4 sec.54, T. 2 S., R.2E., Clackamas County, Hydrologic Unit 17090012, in North Clackamas Central Park, south of highway 224. Drainage area is 11.82 mi ² .	2002-05	03/27/05	7.47	nd	01/31/03	8.60	nd

‡ Operated at a continuous record gaging station.

nd - Not determined at time of publication.

Annual maximum discharge at crest-stage partial-record stations during water year 2005--Continued

Station name and number	Location and drainage area	Period of record	Date	Water year 2004 maximum		Period of record maximum		
				Gage height (ft)	Dis-charge (ft ³ /s)	Date	Gage height (ft)	Dis-charge (ft ³ /s)
NESTUCCA RIVER BASIN								
Walker Creek near Fairdale (14302850)	Lat 45°18'12", long 123°24'51", in SW 1/4 SW 1/4 sec.15, T. 3 S., R.6 W., Yamhill County, Hydrologic Unit 17100203, at culvert, 5.3 mi southwest of Fairdale, and at mile 0.5. Drainage area is 2.72 mi ² .	1992-2005	01/18/05	3.27	141	02-08-96	unknown	450
UMPQUA RIVER BASIN								
Elk Creek near Drew (14308500)	Lat 42°53'25", long 122°55'00", in SW 1/4 sec.11, T.31 S., R.2 W., Douglas County, Hydrologic Unit 17100302, 100 ft downstream from Dixon Creek, 0.1 mi upstream from Drew Creek, 1.3 mi northwest of Drew, Drew, 3.3 mi south of Tiller, and at mile 4.1. Drainage area is 54.4 mi ² .	1955-82 1987-2005	12/09/04	5.97	1,280	01/09/95	11.09	9,120
Lookingglass Creek at Brockway (14311500)	Lat 43°07'50", long 123°27'50", in SE 1/4 SE 1/4 sec.13, T.28 S., R.7 W., Douglas County, Hydrologic Unit 17100302, on left bank, 1.7 mi northwest of Brockway, and at mile 2.85. Drainage area is 158 mi ² .	1956-2005	12/09/04	11.35	6,090	12/26/55	24.93	35,000

‡ Operated at a continuous record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Discharge measurements made at miscellaneous sites during water year 2005.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
KLAMATH RIVER BASIN						
11507200 "A" Canal	Lost River	Lat 42°12'20", long 121°48'05", in NW 1/4 sec.30, T.38 S., R.9 E., Klamath County, Hydrologic Unit 18010204, on left bank 300 ft downstream from headgates of canal and 1.0 mi northwest of Klamath Falls	---	1911-50 1961-80	04/26/05	433
Ady Canal near Tule Lake, CA	Lower Klamath Lake	Lat 42°00'09" N, long 121°49'31" W.	---	---	08/24/05	123
"P" Canal near Tule Lake, CA	.....do.....	Lat 41°55'47" N, long 121°36'01" W.	---	---	08/03/05	82.0
11516580 Cottonwood Creek near Ashland	Klamath River	Lat 42°04'37", long 122°42'12", in SW 1/4 NE 1/4 sec. 21 T.40 S., R.1 E.	0.097	2004	06/28/05 08/02/05	0.22 0.05
ROWENA CREEK BASIN						
Rowena Creek	Columbia River	Lat 45°40'41", long 121°18'48", Wasco County, Hydrologic Unit 17070105, at Highway 30 bridge, 3.9 mi east of Mosier and at mile 1.7.	---	---	04/06/05 07/20/05 09/26/05	0.08 no flow no flow
MOSIER CREEK BASIN						
Mosier Creek at mi 6.7	.....do.....	Lat 45°36'21", long 121°22'32", Wasco County, Hydrologic Unit 17070105, 50 ft downstream from Honeysuckle Creek, 5.5 mi southeast of Mosier, and at mile 6.7.	---	---	04/05/05 07/19/05 09/26/05	13.6 0.96 1.01
Mosier Creek at mi 4.1	.....do.....	Lat 45°38'20", long 121°22'15", Wasco County, Hydrologic Unit 17070105, 0.7 mi upstream from West Fork Mosier Creek, 0.1 mi upstream from Digger Road, 3.2 mi southeast of Mosier, and at mile 4.1.	---	---	04/05/05 07/19/05 09/26/05	12.9 1.10 1.01
West Fork Mosier Creek	Mosier Creek	Lat 45°38'20", long 121°22'15", Wasco County, Hydrologic Unit 17070105, 2.6 mi southeast of Mosier, and at mouth.	---	---	04/05/05 07/19/05 09/27/05	2.91 0.10 0.19
Mosier Creek at mi 2.7	Columbia River	Lat 45°39'22", long 121°22'30", Wasco County, Hydrologic Unit 17070105, 0.6 mi downstream from West Fork Mosier Creek, 2.1 mi southeast of Mosier, and at mile 2.7	---	---	04/05/05 07/20/05 09/26/05	16.6 0.68 1.08
Mosier Creek at mi 2.1	.....do.....	Lat 45°39'40", long 121°22'42", Wasco County, Hydrologic Unit 17070105, 0.1 mi upstream from Tanawasher Spring, 1.6 mi southeast of Mosier, and at mile 2.1.	---	---	04/05/05 07/20/05 09/26/05	16.9 0.74 1.03
Mosier Creek at mi 1.9	.....do.....	Lat 45°39'51", long 121°22'46", Wasco County, Hydrologic Unit 17070105, 0.1 mi downstream from Tanawasher Spring, 1.4 mi southeast of Mosier, and at mile 1.9.	---	---	04/05/05 07/20/05 09/26/05	17.7 1.07 1.07
Mosier Creek at mi 1.4	.....do.....	Lat 45°40'14", long 121°22'52", Wasco County, Hydrologic Unit 17070105, 0.1 mi upstream from dam, 1.0 mi southeast of Mosier, and at mile 1.4.	---	---	04/05/05 07/20/05 09/26/05	16.9 0.41 1.01
Mosier Spring	Mosier Creek	Lat 45°40'21", long 121°22'59", Wasco County, Hydrologic Unit 17070105, 0.9 mi southeast of Mosier.	---	---	04/05/05 07/20/05 09/26/05	0.10 no flow 0.05
Mosier Creek at mi 0.9	Columbia River	Lat 45°40'41", long 121°23'03", Wasco County, Hydrologic Unit 17070105, 200 ft upstream from Dry Creek, 0.6 mi southeast of Mosier, and at mile 0.9.	---	---	04/05/05 07/20/05 09/26/05	16.3 0.46 1.13
Dry Creek	Mosier Creek	Lat 45°40'42", long 121°23'02", Wasco County, Hydrologic Unit 17070105, 0.6 mi southeast of Mosier, and at mouth.	---	---	04/05/05 07/20/05 09/26/05	0.57 no flow no flow
Mosier Creek at mi 0.7	Columbia River	Lat 45°40'50", long 121°23'06", Wasco County, Hydrologic Unit 17070105, 0.2 mi downstream from Dry Creek, at State Road bridge, 0.4 mi southeast of Mosier, and at mile 0.7	---	---	04/05/05 09/26/05	17.7 1.02
ROCK CREEK BASIN						
Rock Creek	.....do.....	Lat 45°40'45", long 121°24'28", Wasco County, Hydrologic Unit 17070105, 0.6 mi southwest of Mosier, and at mile 0.6.	---	---	04/06/05 07/20/05 09/27/05	2.6 0.05 0.12
SANDY RIVER BASIN						
14131400 Zig Zag River near Rhododendron	Sandy River	Lat 45°18'32", long 121°51'31", in NE 1/4 SE 1/4 sec.18, T.3 S., R.8 E., Clackamas County, Hydrologic Unit 17080001, in Mt. Hood National Forest, at bridge, 0.5 mi upstream from Devil Canyon Creek, 1.2 mi downstream from Lady Creek, and 2.8 mi southeast of Rhododendron.	14.8	1981-93; 1999-2004	03/28/05	96.6
14139940 Bull Run River below Bull Run Reservoir No. 2	Sandy River	Lat 45°26'50", long 122°09'15", Clackamas County, Hydrologic Unit 17080001, in Mt. Hood National Forest, 400 ft downstream from lamprey barrier.	102	---	08/24/05 08/24/05 08/24/05 08/24/05 11/10/05	75.8 66.6 51.3 29.6 143

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 2005--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
WILLAMETTE RIVER BASIN						
14181750 Rock Creek near Mill City	North Santiam River	Lat 44°42'44", long 122°25'35", Linn County, Hydrologic Unit 17090005, in the Santiam State Forest, 5.4 mi southeast of Mill City.	14.8	---	08/19/05 09/26/05	4.51 2.22
14204950 West Fork Dairy Creek	Dairy Creek	Lat 45°40'51", long 123°11'32", Washington County, Hydrologic Unit 17090010, on left bank, at State Highway 26, at Buxton.	22.4	---	11/09/04 01/24/05	9.9 67.8
14207100 Wilson Creek near Hazelia	Tualatin River	Lat 45°22'56", long 122°40'49", in SE 1/4 SE 1/4 sec.72, T.2 S., R.1E, Clackamas County, Hydrologic Unit 17090010, at Long Farm Road, 0.7 mi southeast of Hazelia.	1.24	2001-03	04/01/05	6.0
Tickle Creek at 362nd Ave	Deep Creek	Lat 45°23'55", long 122°17'24", Clackamas County, Hydrologic Unit 17090012, at 362nd, near Sandy.	---	---	09/30/05	28.80
Tickle Creek trib at Colorado Road	Tickle Creek	Lat 45°24'10", long 122°19'43", Clackamas County, Hydrologic Unit 17090012, near Sandy.	---	---	09/30/05	0.63
Tickle Creek Tributary	.....do.....	Lat 45°24'41", long 122°18'05", Clackamas County, Hydrologic Unit 17090012, at Orient Road, near Sandy.	---	---	09/30/05	0.20
Tickle Creek	North Fork Deep Creek	Lat 45°24'14", long 122°21'32", Clackamas County, Hydrologic Unit 17090012, near Boring.	13.2	2004	09/30/05	9.18
North Fork Deep Creek trib	Deep Creek	Lat 45°25'46", long 122°20'27", Clackamas County, Hydrologic Unit 17090012, at 312th avenue, near Boring.	---	---	09/30/05	0.10
North Fork Deep Creek trib	.....do.....	Lat 45°25'32", long 122°20'38", Clackamas County, Hydrologic Unit 17090012, at Church Road, near Boring.	---	---	09/30/05	0.11
Dolan Creek	North Fork	Lat 45°26'07", long 122°19'52", Clackamas County, Hydrologic Unit 17090012, downstream from Orient Road, near Boring.	---	---	09/30/05	0.11
Doane Creek	.....do.....	Lat 45°25'58", long 122°21'12", Clackamas County, Hydrologic Unit 17090012, downstream from Hwy 212, near Boring.	---	---	09/30/05	2.86
North Fork Deep Creek	Deep Creek	Lat 45°25'44", long 122°22'26", Clackamas County, Hydrologic Unit 17090012, at Boring.	---	---	09/30/05	9.80
North Fork Deep Creek	.....do.....	Lat 45°25'36", long 122°22'38", Clackamas County, Hydrologic Unit 17090012, upstream from weir, near Boring.	---	---	05/09/05	36.00
North Fork Deep Creek	.....do.....	Lat 45°23'37", long 122°24'35", Clackamas County, Hydrologic Unit 17090012, at Barton.	14.3	2004	09/30/05	20.08
Deep Creek	Clackamas River	Lat 45°23'37", long 122°24'33", Clackamas County, Hydrologic Unit 17090012, at Camp Kuratli, near Barton.	12.1	2004	09/30/05	44.90
Noyer Creek	Deep Creek	Lat 45°23'00", long 122°24'27", Clackamas County, Hydrologic Unit 17090012, downstream from Hwy 212, near Damascus.	---	---	05/09/05 09/30/05	5.20 2.38
Noyer Creek at mouth	.....do.....	Lat 45°23'44", long 122°25'04", Clackamas County, Hydrologic Unit 17090012, at mouth, near Barton.	---	---	05/09/05 09/30/05	4.80 0.67
Richardson Creek	Clackamas River	Lat 45°23'52", long 122°28'15", Clackamas County, Hydrologic Unit 17090012, at Hwy 224.	4	2000	09/30/05	4.65
Rock Creek (Foster Rd.)	.....do.....	Lat 45°26'09", long 122°28'19", Clackamas County, Hydrologic Unit 17090012, at Foster Road.	---	---	09/30/05	1.54
Rock Creek (172nd)	.....do.....	Lat 45°26'10", long 122°29'02", Clackamas County, Hydrologic Unit 17090012, at 172nd Avenue.	---	---	09/30/05	1.84
14210830 Rock Creek at Sunnyside Road, near Damascus	.....do.....	Lat 45°25'38", long 122°29'31", in NW 1/4 SW 1/4 sec.6, T.2 S., R.3 E., Clackamas County, Hydrologic Unit 17090011, at private bridge, 300 ft north of Sunnyside Road, 2 mi northwest of Damascus and 1.75 mi upstream from confluence with Clackamas River.	6.46	2001-03	02/07/05	13.5
Rock Creek	.....do.....	Lat 45°25'22", long 122°29'37", Clackamas County, Hydrologic Unit 17090012, downstream from 172nd Ave., near Damascus.	---	---	05/09/05 09/30-/05	9.50 1.77
Trillium Creek	Rock Creek	Lat 45°24'20", long 122°29'16", Clackamas County, Hydrologic Unit 17090012, at Andregg Parkway, near Damascus.	---	---	05/09/30 09/30/05	0.34 0.28
Rock Creek (near mouth)	Clackamas River	Lat 45°24'31", long 122°30'32", Clackamas County, Hydrologic Unit 17090012, near mouth.	9.0	2000	09/30/05	20.41
14210850 Rock Creek near Carver	Clackamas River	Lat 45°24'35", long 122°30'18", in SE 1/4 SE 1/4, sec.12, T.2 S., R.3 E., Clackamas County, Hydrologic unit 17090011, on private land adjacent to Hwy 212/224, 0.3 mi east of 142nd, 0.2 mi upstream from confluence with Clackamas River.	9.59	2001-04	11/19/04 02/07/05 04/20/05	7.4 20.1 23.6

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 2005--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
WILLAMETTE RIVER BASIN--Continued						
Sieben Creek (Sunnyside)	.....do.....	Lat 45°25'16", long 122°31'05", Clackamas County, Hydrologic Unit 17090012, downstream from Sunnyside Road.	---	---	09/30/05	2.25
Sieben Creek (Hwy 224)	.....do.....	Lat 45°24'27", long 122°33'33", Clackamas County, Hydrologic Unit 17090012, at Hwy 224.	1.8	2000	05/09/05 09/30/05	9.70 4.83
Carli Creek	.....do	Lat 45°24'02", long 122°32'49", Clackamas County, Hydrologic Unit 17090012, upstream from mouth, near Clackamas	---	---	05/09/05 09/30/05	21.00 11.30
Cow Creek	.....do.....	Lat 45°23'25", long 122°34'21", Clackamas County, Hydrologic Unit 17090012, at mouth, near Gladstone.	---	---	05/09/30 09/30/05	12.00 4.44
14211330 Kellogg Creek above Mt. Scott Creek, nr Milwaukie	Willamette River	Lat 45°25'18", long 122°36'01", in NE 1/4 SW 1/4 sec. 54, T.2 S., R.2 E., Clackamas County, Hydrologic unit 17090012, in North Clackamas Central Park, south of Hwy 224.	11.82	2001-03	03/28/05	17.2
14211350 Mt. Scott Creek near Milwaukie	Kellogg Creek	Lat 45°25'37", long 122°36'30", in SW 1/4 SW 1/4 sec. 54, T.2 S., R.2 E., Clackamas County, Hydrologic unit 17090010, in North Clackamas Central Park, south of Hwy 224.	11.82	2001-02 2004	03/28/05	95.6
14211530 Johnson Creek at McLoughlin Blvd	.....do.....	Lat 45°27'50", long 122°38'12", in SW 1/4 SW 1/4 sec.24, T.1 S., R.1 E., Multnomah County, Hydrologic Unit 17090012, at McLoughlin Boulevard.	48.11	1989-90	12-10-04 02/23/05	152 12.4
Errol Spring Creek	Johnson Creek	Lat 45°27'49", long 122°37'00", Multnomah County, Hydrologic Unit 17090012, at SE 44th Avenue between SE Umatilla Street and SE Harney St. in Portland, at mouth.	---	1988, 1998-2004	09-27-05	0.19
Crystal Springs Creek	.....do.....	Lat 45°28'56", long 122°38'00", Multnomah County, Hydrologic Unit 17090012, on Reed College Campup in Portland, 0.1 mi downstream from Reed Lake, and at mile 1.8	---	1997-2001 2003-04	10/01/04 07/07/05 09/27/05	1.30 0.54 0.16
14211546 Crystal Springs Creek	.....do.....	Lat 45°27'39", long 122°38'30", Multnomah County, Hydrologic Unit 17090012, at Mouth.	---	1987-90 1997-2004	07/07/05 09/27/05	9.20 9.63
NESTUCCA RIVER BASIN						
14302850 Walker Creek	Nestucca River	Lat 45°18'12", long 123°24'51", in SW 1/4 SW 1/4 sec. 15, T.3 S., R.6 W., Yamhill County, Hydrologic Unit 17100203, 5.3 mi southwest of Fairdale, and at mile 0.5.	2.72	1991-2004	12/01/04 01/26/05	7.1 10.9
UMPQUA RIVER BASIN						
14312410 Short Creek	Diamond Lake	Lat 43°08'20", long 122°08'10". Short Creek at Diamond Lake.	---	---	09/21/05	3.17
14312400 Silent Creek	.....do.....	Lat 43°07'35", long 122°09'35", Silent Creek near Diamond Lake.	---	---	09/21/05	19.5
14308500 Elk Creek near Drew	South Umpqua River	Lat 42°53'25", long 122°55'00", in SW 1/4 sec.11, T.31 S., R.2 W., Douglas County, Hydrologic Unit 17100302, on right bank 100 ft downstream from Dixon Creek, 0.1 mi upstream from Drew Creek, 3.3 mi southeast of Tiller, and at mile 4.1.	54.4	1986-2000‡	01/10/05 04/21/05	47.5 94.3
14311500 Lookingglass Creek at Brockway	South Umpqua River	Lat 43°07'50", long 123°27'50", in SE 1/4 SE 1/4 sec.13, T.28 S., R.7 W., Douglas County, Hydrologic Unit 17100302, on left bank, 1.7 mi northwest of Brockway and at mile 2.85.	158	a1956-2000‡ 2001-04	04/20/05 06/23/05 08/18/05	154 24.7 5.98
ROGUE RIVER BASIN						
14350870 Neil Creek	Bear Creek	Lat 42°04'54", long 122°41'37", in NW 1/4 N/W 1/4 sec. 22 T.40 S., R.1 E, at Mt. Ashland, near Ashland	0.136	---	06/28/05 08/02/05	0.29 0.13
14353420 Middle Fork of E.F. Ashland Creek	East Fork Ashland Creek	Lat 42°05'46", long 122°43'05", in NE 1/4 NE 1/4 sec. 17, T.40 S., R.1 E, near Ashland.	0.404	---	07/05/05 08/01/05	3.21 1.12
14353425 West Fork of E.F. Ashland Creek	.....do.....	Lat 42°05'50", long 122°43'42", in NE 1/4 NW 1/4 sec. 12, T.40 S., R.1 E, near Ashland.	0.367	---	06/30/05 08/01/05	2.95 0.56
14353430 East Fork of E.F. Ashland Creek	.....do.....	Lat 42°05'06", long 122°42'17", in SW 1/4 SE 1/4 sec. 16 T.40 S., R.1 E, near Ashland.	0.117	---	06/29/05 08/02/05	0.22 0.03
14353435 Pumphouse Creek at Mt. Ash	East Fork of E.F. Ashland Creek	Lat 42°05'26", long 122°42'31", in NE 1/4 SW 1/4 sec. 16, T.40 S., R.1 E, near Ashland.	0.072	---	06/29/05 08/01/05	0.26 0.09
14353450 East Fork Ashland Ck	Ashland Creek	Lat 42°06'33", long 122°42'36", in NE 1/4 NW 1/4 sec. 9, T.40 S., R.1 E, upstream from Bull Gap Creek near Ashland.	3.20	---	07/12/05 08/02/05	9.33 3.88

a Not previously published.

‡ Operated as a continuous record gaging station.

MISCELLANEOUS INVESTIGATIONS

Crooked River 2005 Seepage Investigation
Oregon

Discharge measurements were made during three periods in the 2005 water year on the Crooked River in support of water quality sampling. The reach studied is about 65 miles in length and extends from river mile (RM) 7.7 upstream from Lake Billy Chinook to RM 72.1 downstream from Prineville Reservoir. Measurements were made with assistance from the Bureau of Land Management (BLM) and Oregon Water Resources Department (OWRD).

River mile	Stream/Site ID	Latitude	Longitude	Date	Measured discharge, in cubic feet per second (ft ³ /s)
7.71	Crooked River above Opal Springs, near Culver (14087395)	442848	1211803	05/09/05	1,460
				08/08/05	714
8.35	Crooked River at Carcass Trail, near Culver (14087393)	442822	1211751	10/26/04	935
13.44	Crooked River below Osborne Canyon, near Opal City (14087380)	442537	1211402	10/25/04	272
				05/09/05	879
				08/08/05	99
16.5	Crooked River at National Grassland Trail (14087370)	442348	1211333	10/25/04	218
				10/25/04	192
				05/10/05	747
				05/11/05	1,020
				08/09/05	84.9
27.7	Crooked River near Terrebonne (14087300)	442130	1210704	10/26/04	207
				05/12/05	993
				08/10/05	20.3
72.1	Crooked River near Prineville (14080500)	440648	1204740	10/27/04	127
				05/12/05	760
				08/10/05	226

MISCELLANEOUS INVESTIGATIONS

Deschutes River 2005 Seepage Investigation
Oregon

Discharge measurements were made primarily on July 12, 2005 on the middle Deschutes River to study channel gains and losses due to tributary inflows, ground-water discharge and recharge. The reach studied is about 45 miles in length and extends from river mile (RM) 120.6 upstream from Lake Billy Chinook to RM 164.3 downstream from Bend. These measurements were made during a period of steady flow. Measurements were made with assistance from the Bureau of Land Management (BLM) and Oregon Water Resources Department (OWRD).

River mile	Stream/Site ID	Latitude	Longitude	Date	Measured discharge, in cubic feet per second (ft ³ /s)
164.3	Deschutes River below Bend (14070500)	440459	1211824	07/12/05	75
133.5	Deschutes River at Lower Bridge, near Terrebonne (14074630)	442137	1211736	06/03/05 07/12/05 08/22/05	158 72.6 80.2
132.5	Deschutes River below Big Falls, near Terrebonne (14074685)	442309	1211735	07/12/05	92.3
128.7	Deschutes River above Steelhead Falls, near Opal City (14074688)	442414	1211754	07/12/05	212
123.3	Deschutes River above Squaw Creek, near Geneva (14074698)	442736	1211951	07/12/05	389
123.2	Deschutes River below Squaw Creek, near Geneva (14076450)	442759	1211954	07/12/05	498
120.6	Deschutes River near Culver (14076500)	442956	1211912	07/12/05	515

MISCELLANEOUS INVESTIGATIONS

North Santiam River 2005 Seepage Investigation
Oregon

Discharge measurements were made during the summer and fall of 2005 on the North Santiam River, near Geren Island, to study channel gains and losses due to diversions, irrigation, ground-water discharge and recharge. These measurements were made during periods of steady flow. Measurements were made with assistance from the city of Salem and Oregon Water Resources Department (OWRD).

Stream/SiteID	Latitude	Longitude	Date	Measured discharge, in cubic feet per second (ft ³ /s)
North Santiam River at Mehama (14183000)	444720	1223700	06/28/05	1,840
			07/19/05	1,380
			08/30/05	1,040
			10/24/05	1,900
North Santiam River above Stayton Island (14183430)	444719	1224358	07/19/05	1,400
			08/30/05	979
			10/24/05	1,920
Middle Intake Withdrawals	444728	1224500	06/28/05	85
			07/20/05	125
			08/30/05	69
			10/24/05	35.7
North Santiam River, north channel, below Middle Intake, near Stayton (14183450)	444731	1224457	06/28/05	1,110
			07/20/05	870
			08/30/05	759
Salem Ditch at Stayton (14183500)	444755	1224734	06/29/05	52.4
			07/19/05	89.3
			10/24/05	12.2
Stayton Canal near Stayton (14183550)	444745	1224640	06/29/05	391
			07/19/05	448
			10/24/05	115
North Santiam River, north channel, below Lower Bennett Dam, near Stayton (14183570)	444744	1224624	06/29/05	345
			07/20/05	243
			08/30/05	196
North Santiam River, South Channel, below Upper Bennett Dam, near Stayton (14183580)	444716	1224441	06/28/05	606
			07/19/05	316
			07/20/05	274
			08/30/05	165
North Santiam River, Middle South Channel, above channel return, near Stayton (14183585)	444727	1224529	06/28/05	676
			07/20/05	300
			08/30/05	168
North Santiam Channel at Stayton Island, near Stayton (14183590)	444736	1224555	07/20/05	334
			08/30/05	174
			10/24/05	663
South Drainage Channel returns	444732	1224540	06/28/05	30
			07/20/05	30
			08/30/05	10
			10/24/05	32
North Santiam River at Greens Bridge, near Jefferson (14184100)	444230	1225810	06/28/05	1,610
			07/20/05	952
			08/30/05	724
			10/24/05	1,590